



# CITEL



## Type 1 N/PE surge protector

### DS100EG-600

- ▶ Type 1 N/PE surge protector
- ▶  $I_{imp}$  : 50 kA (10/350 $\mu$ s)
- ▶  $I_{max}$  : 140 kA (8/20 $\mu$ s)
- ▶ Compatible with DS250 and DS150 series
- ▶ IEC 61643-11 compliance



Electrical Characteristics		
SPD type	IEC	N/PE
Network		230/400 V
Max. AC operating voltage	Uc	255 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	440 Vac withstand
Temporary Over Voltage N/PE (TOV HT) <i>Without disconnection or with safety disconnection</i>	UT	1200 V/300A/200 ms withstand
Residual Current <i>Leakage current to Ground</i>	Ipe	None
Follow current interrupting capability	Ifi	100 A
Nominal discharge current <i>15 x 8/20 <math>\mu</math>s impulses</i>	In	70 kA
Max. discharge current <i>max. withstand @ 8/20 <math>\mu</math>s by pole</i>	I <sub>max</sub>	140 kA
Impulse current by pole <i>max. withstand 10/350<math>\mu</math>s by pole</i>	I <sub>imp</sub>	50 kA
Protection level N/PE <i>@ In (8/20<math>\mu</math>s) and @ 6 kV (1,2/50 <math>\mu</math>s)</i>	Up N/PE	1.5 kV
Mechanical Characteristics		
Connection to Network		By screw terminals: 6-35mm <sup>2</sup> / by bus
Format		Monobloc modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Dimensions		See diagram
Weight		0.203 kg
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11
Certification		cRUus
Part number		
<b>1646</b>		

